## ISSUE SLIP STAPLE ARFA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE    |
|---------------------------|----------|--------|---------|
| FEE DETERMINATION         | DT       | 1      | 1-18-00 |
| O.I.P.E. CLASSIFIER       |          | 12     | 2/2     |
| FORMALITY REVIEW          | B        | 64934  | 17 800  |
| RESPONSE FORMALITY REVIEW | EN       | 64934  | 32800   |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | ł | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

|               |          |  |              |               |              | ÷        |              |  |          |   |          |     | F     |          | rict     |          |          |
|---------------|----------|--|--------------|---------------|--------------|----------|--------------|--|----------|---|----------|-----|-------|----------|----------|----------|----------|
| Cla           | im       |  |              |               |              | Dat      | e            |  |          |   | _        | [   | Cla   | im       |          |          |          |
| H             |          | U.   | 0            | ı             | 6            |          | 8            |  |          |   | _        |     | -     |          |          |          |          |
| Final         | Orlginal | Ĺ  | 12           | なの            | 21 03        | 604      | 15/34        |  | •        |   |          |     | Final | Original |          |          |          |
| ш             | $\Delta$ | 01   | 奴            | 02            | 03           | 94       | 34           | ļ  |          |   |          |     | Œ     |          |          | _        |          |
| L             | 43       | V  | V            | V             | 7            | V        |              | L  |          |   | _        |     |       | 51       |          |          |          |
| $\vdash$      | 2        | 1  | 1            | Ш             | V            | V        |              | <u> </u>   | Ш        |   |          |     |       | 52       | Ш        | _        |          |
| L             | Ŋ        | Ш  | Ш            | Ш             |              |          |              |  |          | j |          |     |       | 53       |          |          |          |
| L             |          | Щ  | Ш            | Ш             |              |          |              |  |          |   |          |     |       | 54       |          | $\Box$   |          |
|               | 15       | L  | Ш            | Ш             | L_           |          |              |  |          |   |          |     |       | 55       |          | $\Box$   |          |
|               | B        |  | Ш            | Щ             |              | <u>L</u> |              |  |          |   |          |     |       | 56       |          |          |          |
| L             | L        | Щ  | Ш            | L             | <u>V</u>     | <u>1</u> |              | L  |          |   |          |     |       | 57       |          |          |          |
|               | 1        | 4  | Ш            | Ш             | M            | W        |              | L  |          |   |          |     |       | 58       |          |          |          |
| L             | A        | Ш  | Ш            | Ш             |              | _        |              | L.   |          |   |          |     |       | 59       |          |          |          |
|               | 10       |  |              | Ш             | 1            | 1/       |              |  |          |   |          |     |       | 60       |          |          | ]        |
|               | X        |  | П            | П             |              |          |              |  |          |   |          |     |       | 61       |          |          |          |
|               | 12       | Π  | П            | П             | V            | 1/       |              |  |          |   |          | [   |       | 62       |          |          |          |
|               | 18       | П  | П            | П             | П            | 1        |              |  |          |   |          |     |       | 63       |          |          |          |
| Г             | 1        | П  | П            | П             | П            | П        | Г            |  |          |   |          |     |       | 64       |          |          |          |
| Г             | 15       | П  | П            | П             | П            | П        |              |  |          |   |          | li  |       | 65       | П        |          |          |
|               | 15       | П  | П            | П             | П            |          |              |  |          |   |          | li  |       | 66       |          |          |          |
| ┍             | 17       | П  | Π            | П             | П            | П        |              |  |          |   |          |     |       | 67       | П        |          |          |
|               | ₽8       | П  | П            | П             | П            | П        |              |  |          |   |          | 1 1 |       | 68       |          |          |          |
|               | 10       | П  |              | Ħ             | П            | П        |              |  |          |   |          | 1 1 |       | 69       | П        |          |          |
|               | <b>本</b> | IT   | Ħ            | Ħ             | Ħ            | Ħ        | <u> </u>     |  |          |   |          | 1 1 |       | 70       | П        |          |          |
| $\vdash$      | 7        | Н  | H            | ╫             | H            | H        |              | $\vdash$   | $\vdash$ | Н | _        |     |       | 71       | Н        | -        | _        |
| <u> </u>      | 202      | H  | H            | H             | 1            | V        | -            |  | H        |   |          |     |       | 72       | H        | _        | -        |
| -             | 7        | H  | ╫            | ╂             | <b>Y</b>     | 1        |              |  | $\vdash$ |   |          |     |       | 73       | Н        | $\vdash$ |          |
| $\vdash$      | 2        | Ż  | H            | Н             | . /          | 1.7      |              |  |          |   |          |     |       | 74       | Н        |          |          |
| ┿             |          |  | ╫            | ₩             | 4            | V        | ┢            | <del>                                     </del> | $\vdash$ | - |          | 1 1 |       | 75       | Н        | -        |          |
| $\vdash$      | 25<br>27 |  | ╫            | H             | Н            | ╫        | $\vdash$     |  | $\vdash$ |   |          |     |       | 76       | Н        | -        | -        |
| H             | 2        | 3  | Н            | H             | Н            | ₩        | ┢╌           |  |          | - |          |     |       | 77       | Н        | $\dashv$ |          |
| 5             | 28       | -  | ╁╋           | ╁             | H            | ╂╂╾      | $\vdash$     | $\vdash$   | -        | _ |          |     | _     | 78       | -        |          |          |
| -             | 2        | ⊢  | H            | H             | H            | H        | ├            | ├  | -        |   |          |     |       | 79       | Н        | $\dashv$ |          |
| $\vdash$      | 3        | $\vdash$                                     | <u> </u>     | <del>!'</del> | H            | ۲.       | ├            | H  | H        |   |          |     |       | 80       | Н        |          |          |
| <del>├-</del> | - 4.75   | -  | V            | 1             | ~            | V        | .,           | -  | -        | - |          |     |       | 81       | Н        |          |          |
|               | 32       | <b>)</b>                                     | ├            | <del> </del>  | <del> </del> | ┢        | <u>/</u>     | _  | $\vdash$ |   |          |     |       | 82       |          |          |          |
| $\vdash$      | _        | $\vdash$                                     | ├            | ├             | ⊢            | ⊢        | H            |  | -        | _ |          |     |       | _        | $\vdash$ | -        |          |
| $\vdash$      | 33       | ⊢  | $\vdash$     | ├             | ├-           | <u> </u> | ₩            | H  | $\vdash$ | H |          |     |       | 83<br>84 | $\vdash$ | $\vdash$ | _        |
| $\vdash$      | 34<br>35 | <u> </u>                                     | -            | ╀╌            | <b>,</b>     | -        | ₩            | $\vdash$   | $\vdash$ | Н |          |     | _     | 85       | Н        | $\dashv$ |          |
|               | 36       | <u>)                                    </u> |              | <del>  </del> | $\vdash$     | $\vdash$ | ╫            | $\vdash$   | $\vdash$ | Н | $\vdash$ |     | _     | 86       | Н        | $\dashv$ |          |
| <u>n</u>      |          | <u> </u>                                     |              | 1-            | -            | ├        | ╫            | $\vdash$   | $\vdash$ | Н |          |     |       | -        | $\vdash$ | $\dashv$ | _        |
| <u> </u>      | 37<br>38 | $\vdash$                                     | $\vdash$     | ├-            | <u> </u>     | <u> </u> | ₩            | -  | H        | H |          |     | _     | 87       | Н        |          | _        |
| <u> </u>      | -2330    |  | $\vdash$     | $\vdash$      | $\vdash$     | -        | #            |  | <b>-</b> | H | _        |     |       | 88       | $\vdash$ | -        | _        |
| Η'            | 39       | μ_   | <del> </del> | ├             | $\vdash$     | <u> </u> | ₩            | ├  |          | Ь |          |     | _     | 89       |          |          | -        |
| ļ             | 40       | _  | _            | <u> </u>      | lacksquare   | <u> </u> | Ļ            | _  | $\vdash$ | Щ |          |     |       | 90       | Н        | $\vdash$ | <u> </u> |
| ┺             | 41       | L  | L.           | ┕             | _            |          | V            | Ь.   | Щ        | Ш |          |     |       | 91       | $\sqcup$ |          | _        |
|               | 42       |  |              | <u>L</u>      | L            |          | L            | L  | L_       |   |          |     |       | 92       | Ш        |          | _        |
| <u>{_</u>     | 43       |  |              |               |              | L        | $oxed{oxed}$ | L.   | Ш        | L |          |     |       | 93       | Ш        |          |          |
| L             | 44       | _  | Ĺ            | L             | Ĺ            | L        |              |  |          |   |          |     |       | 94       | $\Box$   |          | L        |
|               | 45       |  | Ĺ            | $\Box$        | 匚            | $L^{-}$  | 匚            | Ĺ  |          | Ľ |          |     |       | 95       | $\Box$   |          |          |
|               | 46       |  | Ĺ            | L             | Ĺ            | L        | L            |  |          |   |          |     |       | 96       |          |          |          |
|               | 47       |  | $L^{T}$      |               |              |          |              | Ĺ  |          |   |          |     |       | 97       |          |          |          |
|               | 48       |  | $\Box$       |               |              |          |              |  |          |   |          | ]   |       | 98       |          |          |          |
| 匚             | 49       | Ľ  |              | $\Box$        |              |          | Ĺ            |  |          |   |          | ]   |       | 99       |          |          | Ĺ        |
| $\square$     | 50       |  |              |               | 匚            |          |              |  |          |   |          |     |       | 100      |          |          |          |

| Cla   | im       | Date         |          |  |  |              |          |              |  |          |          |  |  |  |
|-------|----------|--------------|----------|--|--|--------------|----------|--------------|--|----------|----------|--|--|--|
| Final | Original |              |          |  |  |              |          |              |  |          |          |  |  |  |
|       | 51       |              |          |  |  |              |          |              |  |          |          |  |  |  |
|       | 52       |              |          |  |  |              |          |              |  |          |          |  |  |  |
|       | 53       |              |          |  |  |              |          |              |  |          |          |  |  |  |
|       | 54       |              |          |  |  |              |          |              |  |          |          |  |  |  |
|       | 55       |              |          |  |  |              |          |              |  |          |          |  |  |  |
|       | 56       |              |          |  |  |              |          |              |  |          |          |  |  |  |
|       | 57       |              |          |  |  |              |          |              |  |          |          |  |  |  |
|       | 58       |              |          |  |  |              |          |              |  |          |          |  |  |  |
| _     | 59       | Ш            |          | _  |  |              |          |              |  |          |          |  |  |  |
| _     | 60       |              |          | _  |  |              |          |              |  |          |          |  |  |  |
|       | 61       | _            |          | _  |  |              |          |              |  |          |          |  |  |  |
|       | 62       |              |          |  |  |              |          |              |  |          |          |  |  |  |
| _     | 63       |              |          |  | -  |              |          |              |  |          | -        |  |  |  |
|       | 64<br>65 |              |          |  | _  |              |          |              |  |          | _        |  |  |  |
|       | 65<br>66 | L            |          | _  | ļ  | $\vdash$     | _        |              | _  | H        | _        |  |  |  |
|       | 67       |              |          | _  | H  | <del> </del> | ١        |              | H  | H        | -        |  |  |  |
| _     | 68       |              |          |  | $\vdash$   | $\vdash$     |          | -            | ┝┈   |          | ⊢        |  |  |  |
|       | 69       |              |          |  | $\vdash$   | $\vdash$     | $\vdash$ | -            | $\vdash$   | -        | Н        |  |  |  |
|       | 70       | Н            |          |  | $\vdash$   | $\vdash$     | $\vdash$ |              | $\vdash$   |          | $\vdash$ |  |  |  |
|       | 71       | $\vdash$     | _        | _  | ├  | -            |          | <u> </u>     | -  |          | ⊢        |  |  |  |
|       | 72       | H            | -        |  | ┢  | -            | ┝        |              | ┝  | H        | -        |  |  |  |
|       | 73       |              |          | -  | -  | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$ |  |  |  |
|       | 74       | -            |          | _  | <del> </del>                                     | -            | H        |              | $\vdash$   | $\vdash$ | -        |  |  |  |
|       | 75       | $\vdash$     |          |  | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$     |  | H        | H        |  |  |  |
|       | 76       | Т            |          |  | <del>                                     </del> |              | Т        |              | ╁┈   | Г        | $\vdash$ |  |  |  |
|       | 77       |              |          |  | $\vdash$   |              |          |              |  |          | Г        |  |  |  |
|       | 78       |              |          |  |  |              |          |              | Г  |          | Г        |  |  |  |
|       | 79       |              |          |  |  |              |          |              | Г  |          | Г        |  |  |  |
|       | 80       |              |          |  |  |              |          |              |  |          | Γ        |  |  |  |
|       | 81       |              |          |  |  |              |          |              |  |          |          |  |  |  |
|       | 82       |              |          |  |  |              |          |              |  |          |          |  |  |  |
|       | 83       |              |          |  |  |              | _        |              | <u>L</u>   |          | L        |  |  |  |
|       | 84       |              |          |  | $oxed{oxed}$                                     |              |          |              | _  |          | L        |  |  |  |
|       | 85       |              |          |  |  | L            |          |              | <u> </u>   |          | L        |  |  |  |
|       | 86       | _            | _        | _  |  | <u> </u>     | _        |              | ļ  | _        | <u> </u> |  |  |  |
| _     | 87       | L            |          |  | H  | $\vdash$     |          |              | $\vdash$   |          | <u> </u> |  |  |  |
|       | 88<br>89 | <u> </u>     |          | _  | $\vdash$   | $\vdash$     |          |              | $\vdash$   | -        | ⊢        |  |  |  |
| _     | 90       |              |          |  |  | -            |          | _            | -  | -        | -        |  |  |  |
|       | 91       | H            |          | <u> </u>   | -  | -            |          |              | _  | _        | ┡        |  |  |  |
|       | 91       | <u> </u>     | _        |  |  | _            | _        | -            | <u> </u>   | _        | -        |  |  |  |
|       | 93       | -            | _        | -  | <del> </del>                                     | $\vdash$     | $\vdash$ | <u> </u>     | <u> </u>   | -        | -        |  |  |  |
|       | 94       | <del> </del> | -        |  | <del> </del>                                     | ┝            | -        | -            | ├  | -        | -        |  |  |  |
|       | 94       | $\vdash$     | -        | -  | $\vdash$   | -            | -        |              | <del> </del>                                     | Н        | ⊢        |  |  |  |
|       | 96       | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$     | -        | <del> </del> | $\vdash$   | $\vdash$ | $\vdash$ |  |  |  |
|       | 97       | $\vdash$     | -        | <del>                                     </del> | -  | -            | $\vdash$ | -            | -  | $\vdash$ | Ι-       |  |  |  |
|       | 98       | $\vdash$     | -        | H  | $\vdash$   | ⊢            | $\vdash$ | -            | <del>                                     </del> | $\vdash$ | $\vdash$ |  |  |  |
|       | 99       | $\vdash$     | $\vdash$ |  | Н  | Н            | Н        | Н            | Ι-   | Н        | Н        |  |  |  |
| -     | حميا     | <del> </del> | ┝        | $\vdash$   | $\vdash$   | $\vdash$     | ⊢        | $\vdash$     | $\vdash$   | $\vdash$ | ⊢        |  |  |  |

| Objected |            |                    |          |          |          |          |              |          |          |          |          |
|----------|------------|--------------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|
| Cla      | im         |                    |          |          |          | Dat      | e            |          |          |          |          |
| Final    | Original   |                    |          |          |          |          |              |          |          |          |          |
|          | 101        |                    |          |          |          | _        |              |          |          |          |          |
|          | 102        |                    |          |          |          |          |              |          |          |          |          |
|          | 103        |                    |          |          |          |          |              |          |          |          |          |
|          | 104<br>105 |                    | $\vdash$ | _        |          |          | Н            |          |          |          |          |
| _        | 106        | -                  | -        |          |          | -        |              |          |          |          |          |
| _        | 107        | Н                  |          |          |          |          | -            |          |          |          |          |
|          | 108        |                    |          |          |          |          |              |          |          |          |          |
|          | 109        |                    |          |          |          |          |              |          |          |          |          |
|          | 110        |                    |          |          |          |          |              |          |          |          |          |
|          | 111        |                    |          |          |          |          |              |          |          |          |          |
| _        | 112        |                    |          |          | _        | _        | <u> </u>     | _        |          |          |          |
| _        | 113        | $\vdash$           |          |          | H        |          | H            |          |          | _        | -        |
|          | 114<br>115 | $\vdash$           |          | $\vdash$ |          |          | $\vdash$     |          | H        | _        |          |
|          | 116        |                    |          | H        |          |          |              |          | H        |          |          |
|          | 117        | _                  |          |          |          |          |              |          |          |          |          |
|          | 118        |                    |          |          |          |          |              |          |          |          |          |
|          | 119        | _                  | L.       | _        |          |          |              |          |          |          |          |
|          | 120        |                    |          |          | L        |          |              |          | L        |          |          |
|          | 121        |                    | <u> </u> |          | L        | _        |              |          | _        |          |          |
|          | 122        |                    | _        |          | L        |          |              |          | _        |          |          |
|          | 123<br>124 |                    | -        | _        | _        |          |              |          |          |          | ┝        |
|          | 125        |                    | $\vdash$ | -        | ┝        | $\vdash$ | -            | _        | H        | _        | ┝        |
|          | 126        |                    | $\vdash$ | $\vdash$ | Н        |          |              | $\vdash$ | $\vdash$ |          |          |
|          | 127        | _                  |          |          | Г        |          |              | _        |          |          | -        |
|          | 128        |                    |          |          |          |          |              |          |          |          |          |
|          | 129        |                    |          |          |          |          |              |          |          |          |          |
|          | 130        |                    | L.       |          |          |          | L            |          | <u> </u> | L        | ļ        |
|          | 131<br>132 |                    | _        | _        | _        | -        | <u> </u>     | L        | <u> </u> | _        | _        |
|          | 133        | _                  | -        | <u> </u> |          |          |              | -        |          | $\vdash$ | ├-       |
|          | 134        |                    |          | _        | -        |          | -            | ┝        | H        |          | ┢        |
|          | 135        | Г                  |          |          |          |          |              |          |          | Г        |          |
|          | 136        |                    |          |          |          | Ì        |              |          |          |          |          |
|          | 137        |                    | L        | L.       |          | L        | L.           |          |          |          |          |
|          | 138        |                    | <u> </u> | _        | _        |          |              | _        | <u> </u> |          | L        |
|          | 139<br>140 | $\vdash$           | H        | H        |          |          | -            |          | _        |          | <u> </u> |
|          | 141        |                    | ├        |          | <u> </u> | -        | <del> </del> |          | H        |          | -        |
|          | 142        | 1.                 | ┝        |          | _        | _        | <u> </u>     |          | ┝        |          | -        |
|          | 143        |                    | H        | H        | H        | H        | $\vdash$     | Н        | $\vdash$ | Н        | $\vdash$ |
|          | 144        | _                  | $\vdash$ | Т        | Н        | Т        |              | _        | ┢        | Н        | $\vdash$ |
|          | 145        |                    |          |          |          |          | $\vdash$     |          | Т        | П        |          |
|          | 146        |                    |          |          |          |          |              |          |          |          |          |
|          | 147        | _                  |          |          |          |          |              |          |          |          |          |
|          | 148        | $oxedsymbol{oxed}$ |          |          |          |          | oxdot        |          | L        |          |          |
|          | 149        | H                  | -        | _        |          |          | $\vdash$     |          | <u> </u> | H        | <u> </u> |
|          | 150        |                    | ш        | Ц.,      | لـــا    | Щ        |              | Щ        | ш        | L        | L        |

If more than 150 claims or 10 actions staple additional sheet here